

Hydrometeorology Testbed

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The NOAA Hydrometeorology Testbed (HMT) conducts applied research on precipitation and weather conditions that can lead to flooding, and fosters transition of scientific advances and new tools into National Weather Service forecasting operations. This testbed is motivated to make communities more resilient to the impacts of extreme precipitation on lives, property, water supply, and ecosystems. HMT is managed and coordinated by NOAA's Physical Sciences Division (PSD) in the Earth System Research Laboratory (ESRL, Boulder, CO) and the National Weather Service's (NWS) Weather Prediction Center (WPC, College Park, MD), in partnership with the National Water Center (NWC, Tuscaloosa, AL). HMT also collaborates with the NWS at local and regional levels as well as other national, regional, and local agencies, and universities. This presentation will provide an update of HMT activities at WPC, including the WPC-led Winter Weather and Flash Flood experiments; highlights of HMT activities at PSD that focus on the Oroville Dam spillway breach in 2017; and updates on HMT projects funded by the NOAA/OAR Office of Weather and Air Quality (OWAQ).